AIR DUCT LEAKAGE TEST SUMMARY

PROJECT: CFVH HARNETT MOB - CORE & SHELL
SYSTEM: VARIOUS

LEAKAGE CLASS(C_L): 4
SPECIFIED TEST PRESSURE (P_t): SA = 3"
DUCT CONSTRUCTION PRESS. CLASS: SA = 6"
SEAL CLASS: A

DESIGN DATA				FIELD TEST DATA RECORD							
		Allowable Leakage		Diameter		Pressure "W.G.					
Subject Duct	Surface Area (ft^2)	Factor CFM/100 ft^2	CFM (test section)	Orifice	Tube	Duct	Across Orifice	Date	Performed By	Witnessed By	Actual CFM
RTU-01 SA #1	N/A	N/A	230.00	74	4"	3.0	1.43	1/11/2024	Eric Lucas	Sam Schellinger	137.1
RTU-02 SA #1	N/A	N/A	192.00	74	4"	3.0	2.36	1/11/2024	Eric Lucas	Sam Schellinger	133.3
RTU-03 SA #1	N/A	N/A	192.00	47	4"	3.0	4.42	1/11/2024	Eric Lucas	Sam Schellinger	102.9

Remarks: Allowable leakage calcaluted per spec section 233100 part 3.1B. Which states leakage shall not exceed 1% of total cfm for each system.
Filename: RDU027-11-23
Test Date: JAN-2024
Readings By: EL

Certificate of Gauge Calibration

Issued by: **Retrotec**
Calibration Date: **2023-09-27**

Certificate Number: **413830 014056**
Results: **As Left**

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Everson, WA, USA 98247
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E: calibration@retrotec.com W: www.retrotec.com

AC-1943

This calibration laboratory has been assessed by the ANSI-ASQ National Accreditation Board and meets the requirements of international standard ISO/IEC 17025.

Instrument:

Description:	Pressure and Flow Gauge
Manufacturer:	Retrotec
Model Number:	DM32 20A
Serial Number:	413830

Calibrated by: Tina Lukyanets

Tina Lukyanets

Signature

Issue Date: 2023-09-27

Environmental conditions:

Temperature:	68°F ±10°F
Relative Humidity:	50% ±30%
Mains Voltage:	120V ±10V
Mains Frequency:	60Hz ±1Hz

Comments:

Results recorded as received. No adjustment performed.

This calibration applies only to the unit listed on this certificate.

Calibration Information:

The Device was calibrated against laboratory standards whose values are traceable to recognized national standards. The uncertainty represents an expanded uncertainty using a coverage factor of k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits without taking uncertainty into account. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 requirements.

Calibration Procedure:

CP-35-01

Certificate of Gauge Calibration

Issued by: **Retrotec**
Calibration Date: **2023-09-27**

Certificate Number: **413830 014056**
Results: **As Left**

Calibration Results

Channel A		
Applied Value (Pa)	Reading (Pa)	Error (%)
-4976.60	-4977.50	0.02
-4355.10	-4356.60	0.03
-3732.80	-3738.00	0.14
-3110.50	-3115.10	0.15
-2488.40	-2492.95	0.18
-1866.30	-1869.85	0.19
-1243.90	-1245.90	0.16
-622.30	-624.10	0.29
-249.20	-249.30	0.04
249.10	249.30	0.08
622.20	623.30	0.18
1244.20	1245.00	0.06
1866.40	1869.84	0.18
2488.40	2491.80	0.14
3110.10	3113.60	0.11
3732.70	3736.40	0.10
4354.80	4358.15	0.08
4978.20	4976.95	0.03

Channel B		
Applied Value (Pa)	Reading (Pa)	Error (%)
-4976.60	-4985.60	0.18
-4355.10	-4362.60	0.17
-3732.80	-3742.40	0.26
-3110.50	-3118.95	0.27
-2488.40	-2495.12	0.27
-1866.30	-1871.82	0.30
-1243.90	-1247.40	0.28
-622.30	-622.60	0.05
-249.20	-249.30	0.04
249.10	249.30	0.08
622.20	622.60	0.06
1244.20	1246.06	0.15
1866.40	1872.25	0.31
2488.40	2494.10	0.23
3110.10	3118.20	0.26
3732.70	3737.86	0.14
4354.80	4361.96	0.16
4978.20	4983.30	0.10

Traceability is to the International System of Units (SI), consensus standards, or ratio type measurements through national standards realized and maintained by NIST or an NMI.

Instrument display resolution is 0.1 Pa.

Uncertainties

Calibration and measurement capability (Expanded Uncertainty) is 0.1% of reading + 1.1 Pa (Range 0 - 20 000 Pa) based on a 95% confidence interval, using coverage of k=2.

T. L

Initial

The Pressure Range uncertainty limits are compliant with (meets or exceeds requirements from) the following standards or guidelines:

Certificate of Gauge Calibration

Issued by: **Retrotec**
Calibration Date: **2023-09-27**

Certificate Number: **413830 014056**
Results: **As Left**

Name	Accuracy Requirements	Expiration Date
NFPA 2001	±1 Pa ±(10 to 50 Pa)	2024-09-27
EN13829	±2 Pa (up to ±60 Pa)	2028-09-27
ATTMA: TS1	±2 Pa (up to ±100 Pa)	2024-09-27
ASTM E779-10	±5% or 0.25 Pa whichever is greater	2028-09-27
CGSB	±1 Pa (up to ±50 Pa)	2024-09-27
GAP50-784	±1% or 1 Pa whichever is greater	2024-09-27
ISO14520	±1 Pa (up to ±60 Pa)	2028-09-27
EN15004	±1 Pa (up to ±100 Pa)	2028-09-27
USACE	±1% or 0.25 Pa ±(25 to 250) Pa	2025-09-27
TITLE 24	±1% or 0.2 Pa whichever is greater	2024-09-27
RESNET380	±1% or 0.25 Pa whichever is greater	2024-09-27
ISO9972	±1 Pa (up to ±100 Pa)	2028-09-27
FD E51-767	±2.5% or 3 Pa whichever is greater	2025-09-27
RE2020		

End of report

Appendix A Flow Conversion Tables

Table 4: Flow in CFM for various fan pressures, Retrotec 400 series fans

*When Range 74 is used with 10-4" adapter on fan inlet, i.e. fan is depressurizing duct and Channel A is negative

Fan Pressure		Range									
Pa	In WC	74	74*	47	29	18	11	7	3	2	1
250	1.0	114.7	113.0	49.6	17.2	6.79	2.69	1.06	0.294	---	---
275	1.1	120.4	118.6	51.9	18.0	7.12	2.82	1.11	0.310	---	---
300	1.2	125.8	123.9	54.2	18.8	7.43	2.95	1.16	0.325	---	---
325	1.3	131.0	129.0	56.4	19.6	7.73	3.07	1.21	0.340	---	---
350	1.4	136.0	133.9	58.4	20.3	8.03	3.19	1.25	0.354	0.145	0.054
375	1.5	140.8	138.7	60.4	21.1	8.31	3.30	1.29	0.368	0.150	0.056
400	1.6	145.5	143.3	62.4	21.7	8.58	3.41	1.34	0.381	0.156	0.058
425	1.7	150.0	147.7	64.2	22.4	8.84	3.51	1.38	0.394	0.161	0.060
450	1.8	154.4	152.0	66.1	23.1	9.10	3.61	1.42	0.407	0.166	0.062
475	1.9	158.6	156.2	67.8	23.7	9.35	3.71	1.46	0.420	0.170	0.064
500	2.0	162.8	160.3	69.5	24.3	9.59	3.81	1.50	0.432	0.175	0.066
525	2.1	166.8	164.3	71.2	24.9	9.83	3.91	1.53	0.443	0.180	0.068
550	2.2	170.8	168.2	72.9	25.5	10.1	4.00	1.57	0.455	0.184	0.070
575	2.3	174.7	172.1	74.5	26.1	10.3	4.09	1.60	0.466	0.189	0.072
600	2.4	178.5	175.8	76.0	26.6	10.5	4.18	1.64	0.478	0.193	0.073
625	2.5	182.2	179.4	77.5	27.2	10.7	4.26	1.67	0.488	0.197	0.075
650	2.6	185.8	183.0	79.0	27.7	10.9	4.35	1.71	0.499	0.201	0.077
675	2.7	189.4	186.6	80.5	28.2	11.1	4.43	1.74	0.510	0.205	0.078
700	2.8	192.9	190.0	82.0	28.7	11.3	4.51	1.77	0.520	0.209	0.080
725	2.9	196.3	193.4	83.4	29.3	11.5	4.59	1.80	0.530	0.213	0.082
750	3.0	199.7	196.7	84.8	29.8	11.7	4.67	1.83	0.540	0.217	0.083
775	3.1	203.1	200.0	86.1	30.2	11.9	4.75	1.86	0.550	0.221	0.085
800	3.2	206.3	203.2	87.5	30.7	12.1	4.83	1.89	0.560	0.225	0.086
825	3.3	209.6	206.4	88.8	31.2	12.3	4.90	1.92	0.570	0.228	0.088
850	3.4	212.8	209.6	90.1	31.7	12.5	4.97	1.95	0.579	0.232	0.089
875	3.5	215.9	212.6	91.4	32.1	12.7	5.05	1.98	0.589	0.236	0.091
900	3.6	219.0	215.7	92.6	32.6	12.9	5.12	2.01	0.598	0.239	0.092
925	3.7	222.0	218.7	93.9	33.0	13.0	5.19	2.03	0.607	0.243	0.093
950	3.8	225.0	221.7	95.1	33.5	13.2	5.26	2.06	0.616	0.246	0.095
975	3.9	228.0	224.6	96.3	33.9	13.4	5.33	2.09	0.625	0.250	0.096
1000	4.0	230.9	227.5	97.5	34.3	13.6	5.40	2.12	0.634	0.253	0.098
1025	4.1	233.8	230.3	98.7	34.8	13.7	5.46	2.14	0.642	0.256	0.099
1050	4.2	236.7	233.1	99.9	35.2	13.9	5.53	2.17	0.651	0.260	0.100
1075	4.3	239.5	235.9	101.0	35.6	14.1	5.60	2.19	0.660	0.263	0.102
1100	4.4	242.3	238.7	102.2	36.0	14.2	5.66	2.22	0.668	0.266	0.103
1125	4.5	245.1	241.4	103.3	36.4	14.4	5.73	2.24	0.676	0.269	0.104

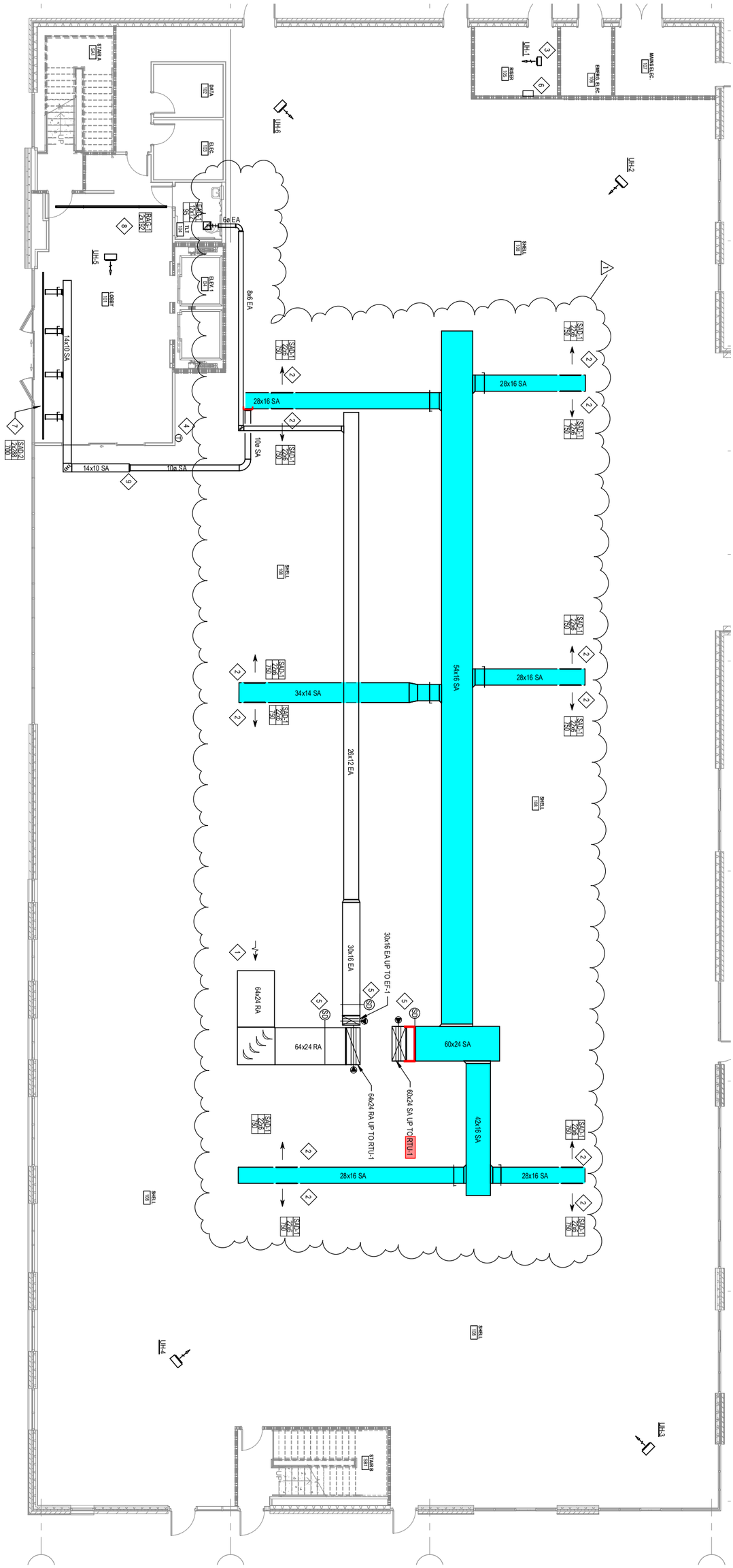
Fan Pressure		Range									
Pa	In WC	74	74*	47	29	18	11	7	3	2	1
1150	4.6	247.8	244.1	104.4	36.8	14.5	5.79	2.27	0.685	0.272	0.106
1175	4.7	250.5	246.7	105.5	37.2	14.7	5.85	2.29	0.693	0.275	0.107
1200	4.8	253.2	249.4	106.6	37.6	14.8	5.91	2.32	0.701	0.279	0.108
1225	4.9	255.8	252.0	107.7	38.0	15.0	5.98	2.34	0.709	0.282	0.109
1250	5.0	258.4	254.6	108.8	38.4	15.2	6.04	2.37	0.717	0.285	0.111
1275	5.1	261.0	257.1	109.8	38.8	15.3	6.10	2.39	0.725	0.288	0.112
1300	5.2	263.6	259.7	110.9	39.1	15.5	6.16	2.41	0.733	0.291	0.113
1325	5.3	266.2	262.2	111.9	39.5	15.6	6.22	2.44	0.741	0.294	0.114
1350	5.4	268.7	264.7	112.9	39.9	15.7	6.28	2.46	0.748	0.296	0.116
1375	5.5	271.2	267.1	113.9	40.3	15.9	6.33	2.48	0.756	0.299	0.117
1400	5.6	273.7	269.6	114.9	40.6	16.0	6.39	2.50	0.764	0.302	0.118
1425	5.7	276.1	272.0	115.9	41.0	16.2	6.45	2.53	0.771	0.305	0.119
1450	5.8	278.5	274.4	116.9	41.3	16.3	6.50	2.55	0.779	0.308	0.120
1475	5.9	281.0	276.7	117.9	41.7	16.5	6.56	2.57	0.786	0.311	0.121
1500	6.0	283.3	279.1	118.9	42.0	16.6	6.62	2.59	0.793	0.314	0.123
1525	6.1	285.7	281.4	119.8	42.4	16.7	6.67	2.61	0.801	0.316	0.124
1550	6.2	288.1	283.8	120.8	42.7	16.9	6.73	2.64	0.808	0.319	0.125
1575	6.3	290.4	286.1	121.7	43.1	17.0	6.78	2.66	0.815	0.322	0.126
1600	6.4	292.7	288.3	122.7	43.4	17.1	6.83	2.68	0.822	0.324	0.127
1625	6.5	295.0	290.6	123.6	43.8	17.3	6.89	2.70	0.829	0.327	0.128
1650	6.6	297.3	292.8	124.5	44.1	17.4	6.94	2.72	0.836	0.330	0.129
1675	6.7	299.6	295.1	125.5	44.4	17.5	6.99	2.74	0.843	0.332	0.130
1700	6.8	301.8	297.3	126.4	44.8	17.7	7.05	2.76	0.850	0.335	0.131
1725	6.9	304.0	299.5	127.3	45.1	17.8	7.10	2.78	0.857	0.338	0.133
1750	7.0	306.3	301.7	128.2	45.4	17.9	7.15	2.80	0.864	0.340	0.134
1775	7.1	308.5	303.8	129.1	45.7	18.1	7.20	2.82	0.871	0.343	0.135
1800	7.2	310.6	306.0	129.9	46.0	18.2	7.25	2.84	0.878	0.345	0.136
1825	7.3	312.8	308.1	130.8	46.4	18.3	7.30	2.86	0.884	0.348	0.137
1850	7.4	315.0	310.2	131.7	46.7	18.4	7.35	2.88	0.891	0.350	0.138
1875	7.5		312.4	132.6	47.0	18.6	7.40	2.90	0.898	0.353	0.139
1900	7.6		314.4	133.4	47.3	18.7	7.45	2.92	0.904	0.355	0.140
1925	7.7		316.5	134.3	47.6	18.8	7.50	2.94	0.911	0.358	0.141
1950	7.8			135.1	47.9	18.9	7.55	2.96	0.917	0.360	0.142
1975	7.9			136.0	48.2	19.0	7.60	2.98	0.924	0.363	0.143
2000	8.0			136.8	48.5	19.2	7.64	2.99	0.930	0.365	0.144
2025	8.1			137.6	48.8	19.3	7.69	3.01	0.937	0.368	0.145
2050	8.2			138.5	49.1	19.4	7.74	3.03	0.943	0.370	0.146
2075	8.3			139.3	49.4	19.5	7.79	3.05	0.950	0.372	0.147
2100	8.4			140.1	49.7	19.6	7.83	3.07	0.956	0.375	0.148
2125	8.5			140.9	50.0	19.8	7.88	3.09	0.962	0.377	0.149
2150	8.6			141.7	50.3	19.9	7.93	3.10	0.968	0.379	0.150

Fan Pressure		Range									
Pa	In WC	74	74*	47	29	18	11	7	3	2	1
2175	8.7			142.5	50.6	20.0	7.97	3.12	0.975	0.382	0.151
2200	8.8			143.3	50.9	20.1	8.02	3.14	0.981	0.384	0.152
2225	8.9			144.1	51.2	20.2	8.06	3.16	0.987	0.386	0.153
2250	9.0			144.9	51.5	20.3	8.11	3.18	0.993	0.389	0.154
2275	9.1			145.7	51.8	20.4	8.16	3.19	1.00	0.391	0.155
2300	9.2			146.4	52.0	20.5	8.20	3.21	1.01	0.393	0.156
2325	9.3			147.2	52.3	20.7	8.24	3.23	1.01	0.395	0.157
2350	9.4			148.0	52.6	20.8	8.29	3.25	1.02	0.398	0.158
2375	9.5			148.8	52.9	20.9	8.33	3.26	1.02	0.400	0.158
2400	9.6			149.5	53.2	21.0	8.38	3.28	1.03	0.402	0.159
2425	9.7			150.3	53.4	21.1	8.42	3.30	1.04	0.404	0.160
2450	9.8			151.0	53.7	21.2	8.46	3.31	1.04	0.407	0.161
2475	9.9			151.8	54.0	21.3	8.51	3.33	1.05	0.409	0.162
2500	10.0			152.5	54.2	21.4	8.55	3.35	1.05	0.411	0.163
2525	10.1			153.3	54.5	21.5	8.59	3.37	1.06	0.413	0.164
2550	10.2			154.0	54.8	21.6	8.64	3.38	1.06	0.415	0.165
2575	10.3			154.7	55.1	21.7	8.68	3.40	1.07	0.417	0.166
2600	10.4			155.5	55.3	21.8	8.72	3.41	1.08	0.420	0.167
2625	10.5			156.2	55.6	22.0	8.76	3.43	1.08	0.422	0.168
2650	10.6			156.9	55.8	22.1	8.80	3.45	1.09	0.424	0.169
2675	10.7			157.7	56.1	22.2	8.85	3.46	1.09	0.426	0.169
2700	10.8			158.4	56.4	22.3	8.89	3.48	1.10	0.428	0.170
2725	10.9			159.1	56.6	22.4	8.93	3.50	1.10	0.430	0.171
2750	11.0			159.8	56.9	22.5	8.97	3.51	1.11	0.432	0.172
2775	11.1			160.5	57.1	22.6	9.01	3.53	1.12	0.434	0.173
2800	11.2			161.2	57.4	22.7	9.05	3.54	1.12	0.436	0.174
2825	11.3			161.9	57.7	22.8	9.09	3.56	1.13	0.438	0.175
2850	11.4			162.6	57.9	22.9	9.13	3.58	1.13	0.440	0.176
2875	11.5			163.3	58.2	23.0	9.17	3.59	1.14	0.443	0.176
2900	11.6			164.0	58.4	23.1	9.21	3.61	1.14	0.445	0.177
2925	11.7			164.7	58.7	23.2	9.25	3.62	1.15	0.447	0.178
2950	11.8			165.4	58.9	23.3	9.29	3.64	1.15	0.449	0.179
2975	11.9			166.0	59.2	23.4	9.33	3.65	1.16	0.450	0.180
3000	12.0			166.7	59.4	23.5	9.37	3.67	1.16	0.453	0.181
3025	12.1			167.4	59.7	23.6	9.41	3.68	1.17	0.455	0.181
3050	12.2			168.1	59.9	23.7	9.45	3.70	1.18	0.457	0.182
3075	12.3			168.7	60.1	23.8	9.49	3.71	1.18	0.459	0.183
3100	12.4			169.4	60.4	23.9	9.53	3.73	1.19	0.461	0.184
3125	12.5			170.1	60.6	23.9	9.56	3.74	1.19	0.463	0.185
3150	12.6			170.7	60.9	24.0	9.60	3.76	1.20	0.465	0.186
3175	12.7			171.4	61.1	24.1	9.64	3.77	1.20	0.466	0.186

Fan Pressure		Range									
Pa	In WC	74	74*	47	29	18	11	7	3	2	1
3200	12.8			172.1	61.4	24.2	9.68	3.79	1.21	0.468	0.187
3225	12.9			172.7	61.6	24.3	9.72	3.80	1.21	0.470	0.188
3250	13.0			173.4	61.8	24.4	9.76	3.82	1.22	0.472	0.189
3275	13.1			174.0	62.1	24.5	9.79	3.83	1.22	0.474	0.190
3300	13.2			174.7	62.3	24.6	9.83	3.85	1.23	0.476	0.191
3325	13.3			175.3	62.5	24.7	9.87	3.86	1.23	0.478	0.191
3350	13.4			175.9	62.8	24.8	9.90	3.88	1.24	0.480	0.192
3375	13.5			176.6	63.0	24.9	9.94	3.89	1.24	0.482	0.193
3400	13.6			177.2	63.2	25.0	10.0	3.91	1.25	0.484	0.194
3405	13.7			177.9	63.5	25.1	10.0	3.92	1.25	0.486	0.195
3450	13.8			178.5	63.7	25.2	10.1	3.93	1.26	0.487	0.195
3475	13.9			179.1	63.9	25.3	10.1	3.95	1.26	0.489	0.196
3500	14.0			179.7	64.2	25.3	10.1	3.96	1.27	0.491	0.197
3505	14.1			180.4	64.4	25.4	10.2	3.98	1.27		
3550	14.2			181.0	64.6	25.5	10.2	3.99	1.28		
3575	14.3			181.6	64.8	25.6	10.2	4.01	1.28		
3600	14.4			182.2	65.1	25.7	10.3	4.02	1.29		
3625	14.5			182.9	65.3	25.8	10.3	4.03	1.29		
3650	14.6			183.5	65.5	25.9	10.3	4.05	1.30		
3675	14.7			184.1	65.7	26.0	10.4	4.06	1.30		
3700	14.8			184.7	66.0	26.1	10.4	4.08	1.31		
3725	14.9			185.3	66.2	26.1	10.4	4.09	1.31		
3750	15.0			185.9	66.4	26.2	10.5	4.10	1.32		
3775	15.2			186.5	66.6	26.3	10.5	4.12			
3800	15.3			187.1	66.8	26.4	10.6	4.13			
3825	15.4			187.7	67.1	26.5	10.6	4.14			
3850	15.5			188.3	67.3	26.6	10.6	4.16			
3875	15.6			188.9	67.5	26.7	10.7	4.17			
3900	15.7			189.5	67.7	26.7	10.7	4.18			
3925	15.8			190.1	67.9	26.8	10.7	4.20			
3950	15.9			190.7	68.2	26.9	10.8	4.21			
3975	16.0			191.3	68.4	27.0	10.8	4.22			
4000	16.1			191.9	68.6	27.1	10.8	4.24			
4025	16.2			192.4	68.8	27.2	10.9	4.25			
4050	16.3			193.0	69.0	27.3	10.9	4.26			
4075	16.4			193.6	69.2	27.3	10.9	4.28			
4100	16.5			194.2	69.4	27.4	11.0	4.29			
4125	16.6			194.8	69.6	27.5	11.0	4.30			
4150	16.7			195.3	69.9	27.6	11.0	4.32			
4175	16.8			195.9	70.1	27.7	11.1	4.33			
4200	16.9			196.5	70.3	27.8	11.1	4.34			

Fan Pressure		Range									
Pa	In WC	74	74*	47	29	18	11	7	3	2	1
4225	17.0			197.0	70.5	27.8	11.1	4.36			
4250	17.1			197.6	70.7	27.9	11.2	4.37			
4275	17.2			198.2	70.9	28.0	11.2	4.38			
4300	17.3			198.7	71.1	28.1	11.2	4.39			
4325	17.4			199.3	71.3	28.2	11.3	4.41			
4350	17.5			199.9	71.5	28.2	11.3	4.42			
4375	17.6			200.4	71.7	28.3	11.3	4.43			
4400	17.7			201.0	71.9	28.4	11.4	4.44			
4405	17.8			201.5	72.1	28.5	11.4	4.46			
4450	17.9			202.1	72.3	28.6	11.4	4.47			
4475	18.0			202.7	72.5	28.6	11.5	4.48			
4500	18.1			203.2	72.7	28.7	11.5	4.49			
4525	18.2			203.8	72.9	28.8	11.5	4.51			
4550	18.3			204.3	73.1	28.9	11.6	4.52			
4575	18.4			204.8	73.3	29.0	11.6	4.53			
4600	18.5			205.4	73.5	29.0	11.6	4.54			
4625	18.6			205.9	73.7	29.1	11.6	4.56			
4650	18.7			206.5	73.9	29.2	11.7	4.57			
4675	18.8			207.0	74.1	29.3	11.7	4.58			
4700	18.9			207.6	74.3	29.4	11.7	4.59			
4725	19.0			208.1	74.5	29.4	11.8	4.61			
4750	19.1			208.6	74.7	29.5	11.8	4.62			
4775	19.2			209.2	74.9	29.6	11.8	4.63			
4800	19.3			209.7	75.1	29.7	11.9	4.64			
4825	19.4			210.2	75.3	29.7	11.9	4.65			
4850	19.5			210.8	75.5	29.8	11.9	4.67			
4875	19.6			211.3	75.7	29.9	12.0	4.68			
4900	19.7			211.8	75.9	30.0	12.0	4.69			
4925	19.8			212.4	76.1	30.1	12.0	4.70			
4950	19.9			212.9	76.3	30.1	12.1	4.71			
4975	20.0			213.4	76.5	30.2	12.1	4.73			

The Flow Calibration Equations used to create this were generated using an ISO 17025 Accredited Flow Chamber to calibrated a Model 400 Fan.



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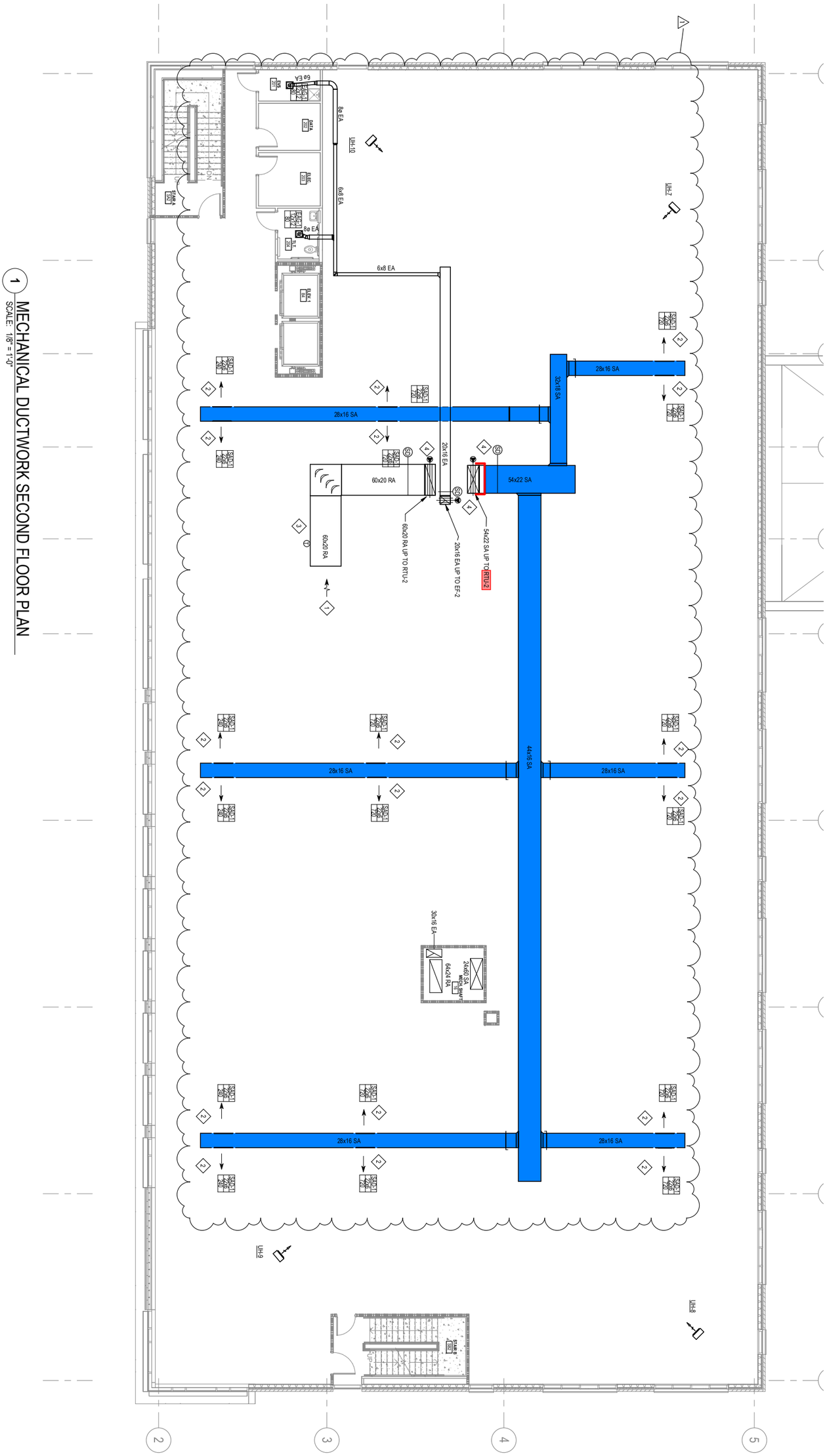

1 MECHANICAL DUCTWORK SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

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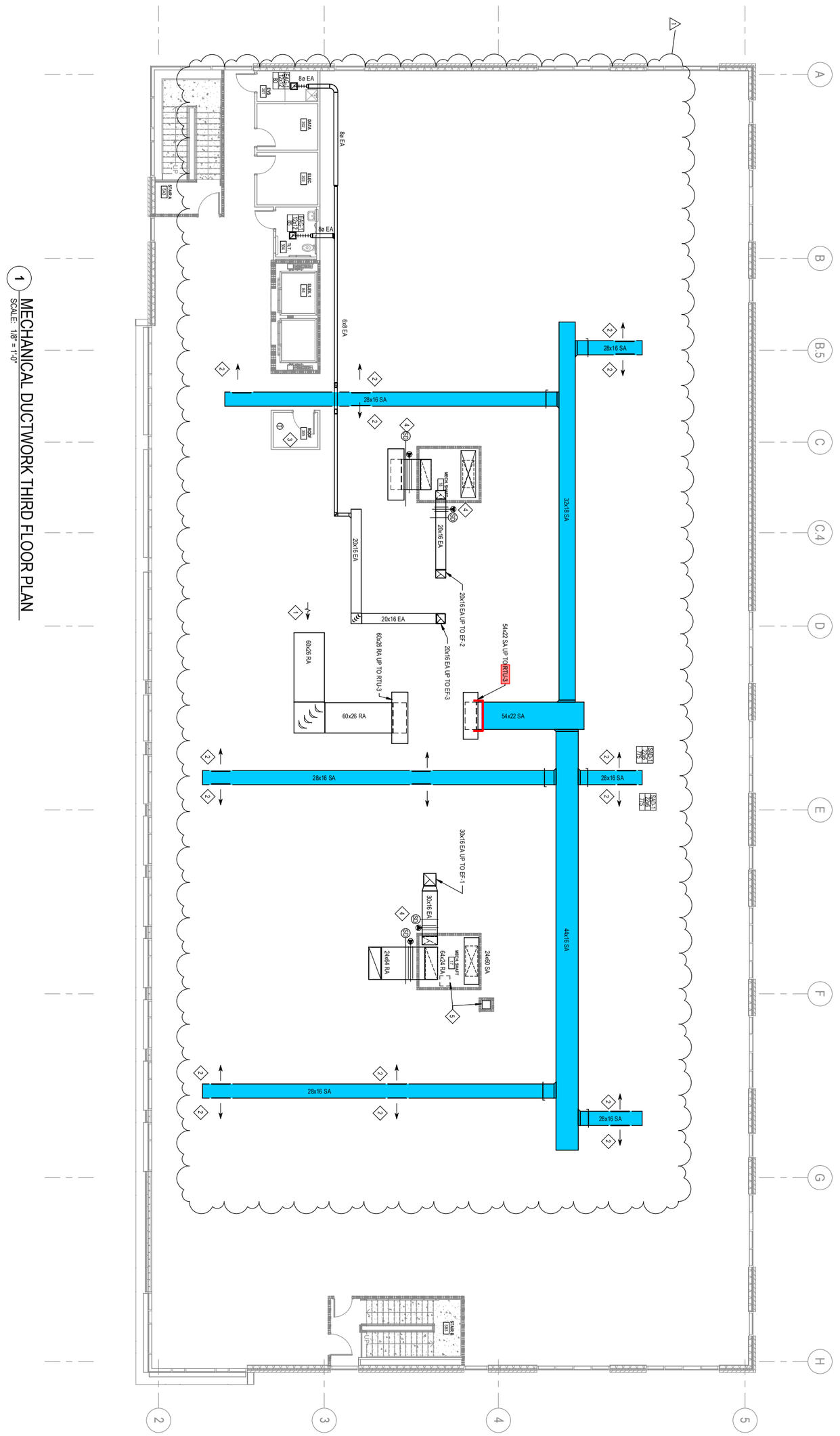

1 MECHANICAL DUCTWORK THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

PALMETTO
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